



IP Outdoor High Speed Dome CAM-6600 series

Ver. 110504

Quick Installation Guide



www.acti.com

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Getting Started

1.1 PACKAGE CONTENTS

CAM-6600 series



Warranty Card



Software CD



Power & A/V Cable



LAN/WAN Cable



Alarm Cable



5.4" Transparent Cover



Power Adaptor



Lubricant

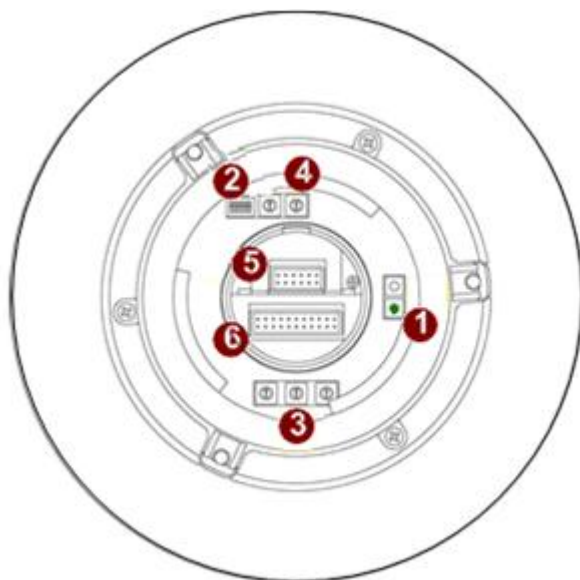


Screws



1.2 PHYSICAL DESCRIPTION

Outdoor High Speed Dome Bottom



1. Reset Button

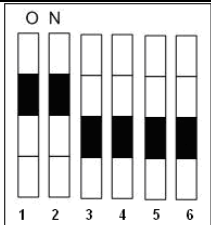
Step 1: Switch off IP device by disconnecting the power cable

Step 2: Press and continue to hold the Reset Button. Reconnect the power cable while continuing to hold the reset button.

Step 3: Keep holding the reset button depressed around 6 seconds, release the reset button. The unit will start up with factory default settings.

2. Communication Switch Setting

The table below shows the function of each pin within the Communication Switch.

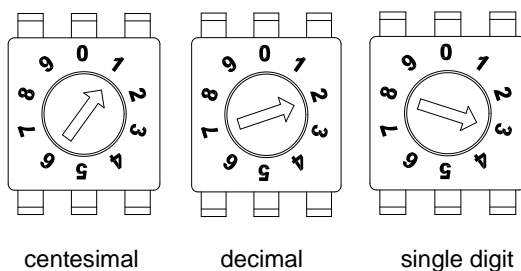
Communication Switch		Pin 1	RS-232 Setting (Reserved)
		Pin 2	
		Pin 3	Termination
		Pin 4	Line Lock
		Pin 5	System Initialization (for upgrade)
		Pin 6	Reserved

RS-232 is reserved for internal use only; The Pin 3 and Pin 4, they are used for termination and Link Lock adjustment respectively. The Pin 5 is mainly used for

return to factory default of camera setting.

3. Dome ID Setting

Use the switch to change your speed dome ID by turning the arrow to the desired number respectively. For instance, if the speed dome ID is 123, the ID switch should be set as below:



NOTE: If controlling through an ACTi decoder via analog means such as a keyboard or DVR, no two speed domes should be given the same ID or communication conflict may occur. When controlled only through Ethernet and software (without the use of an ACTi hardware decoder), the dome ID setting may be neglected.



NOTE: The number “0” should locate upwards as shown in above diagram for correct switch definition.

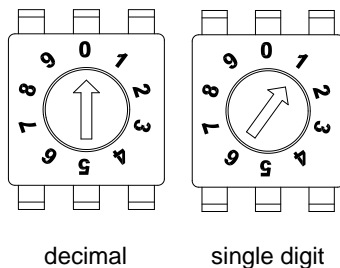
4. Dome Control Protocol

Protocol is a specific set of rules, procedures used for data communications. Basing on the protocol of your management software that you are going to use. Use the switch to set your dome control protocol and the baud rate. Refer to table below and turn the arrow to choose a protocol for your speed dome.

Switch No.	Protocol	Baud Rate
00	VCL	9600
01	Pelco D	2400
02	Pelco P	4800
04	Chiper	9600
05	Philips	9600
07	DSCP	9600
08	AD422	4800
09	DM P	9600
11	Pelco D	4800
12	Pelco D	9600
13	Pelco P	2400
14	Pelco P	9600
15	JVC	9600
21	Kalatel-485	9600
22	Kalatel-422	4800

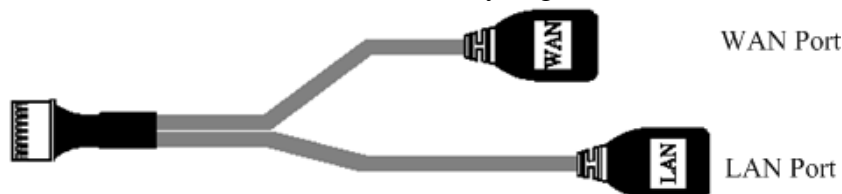
Default setting is 07 DSCP (Dynacolor) baud rate 9600

Select protocol: Pelco D, with switch no. 01 and baud rate 2400, for instance, the ID switch should be set as below:



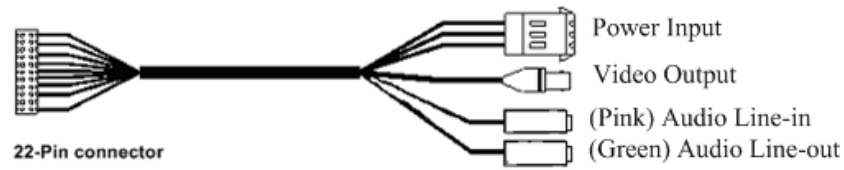
5. 16 Pin Connector for LAN/WAN

The LAN/WAN cable (shown as the figure below) is shipped with IP high speed dome. Please find it in the accessory bag.

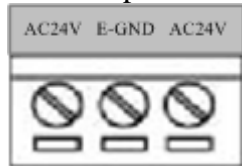


6. 22 Pin Connector

A 50cm data cable (shown as the figure below) is shipped with IP high speed dome. Please find it in the accessory bag.



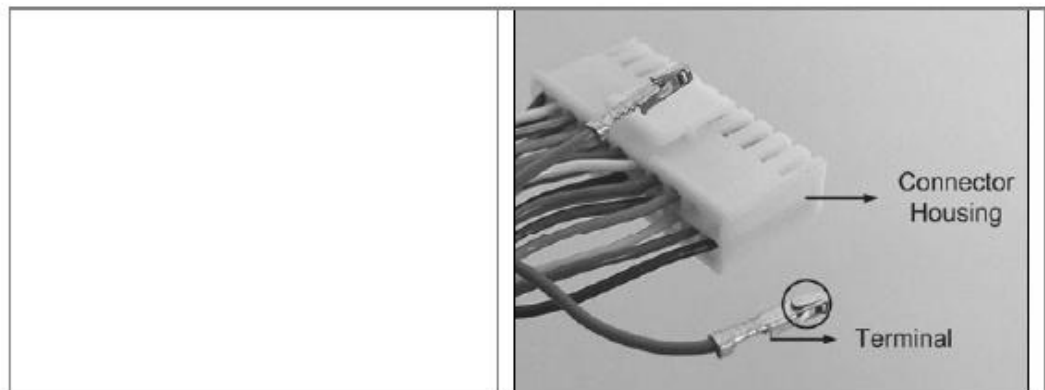
Power Input

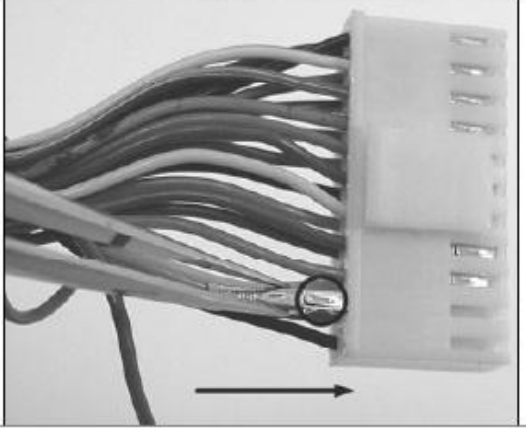
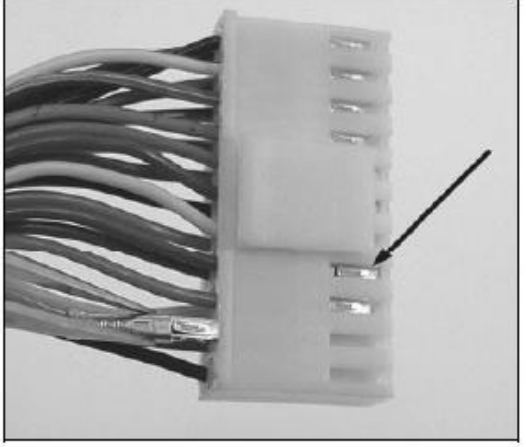


PIN	NAME	DESCRIPTION
1	AC24V	AC 24V of Power Input
2	E-GND	E-Ground Pin of Power Input
3	AC24V	AC 24V of Power Input

7. Cable Wiring

Users may need to do cable wiring when connecting alarm input and output devices. The table follows will illustrate the way to wire cords into the connector housing (shown in the figures below).



<p>Insert the terminal into the pin holes on the connector housing, with the hook outward, as indicated in the figure.</p>	
<p>To unlock the terminal, press the hook, as indicated in the figure, with a proper tool and pull it out gently.</p>	

The alarm pins are serviceable for connecting alarm input and output devices, such as alarm sensors, sirens or flashing light with the surveillance system. The table shown as follows lists the definition of alarm pins on the 22-pin connector.



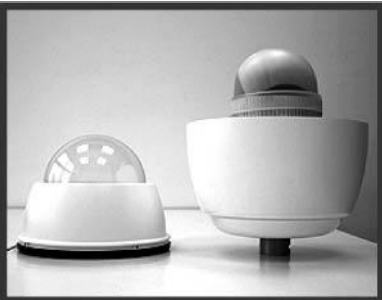



Pin	Definition	Cable
1	AC 24-1/DC(+)	20 AWG
2	ALM NC	
3	AC 24-1/DC(-)	20 AWG
4	ALM NO	
5	FG	20 AWG
6	ALM COM	
7	MIC +	24 AWG
8	SPK +	
9	MIC -	
10	SPK -	
11	ISOG	
12	ALM-1	
13	ALM-2	
14	ALM-3	
15	ALM-4	
16	ALM-5	
17	ALM-6	
18	ALM-7	
19	ALM-8	
20	ALM GND	
21	VGND	24 AWG
22	Video	




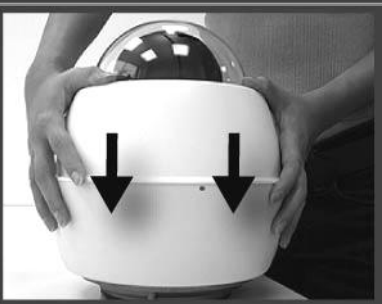

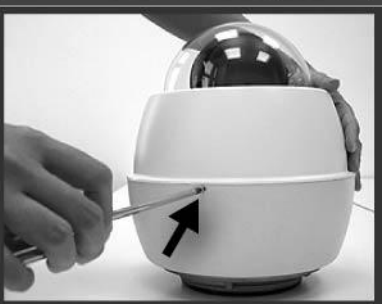
1.3 IP High Speed Dome Setups

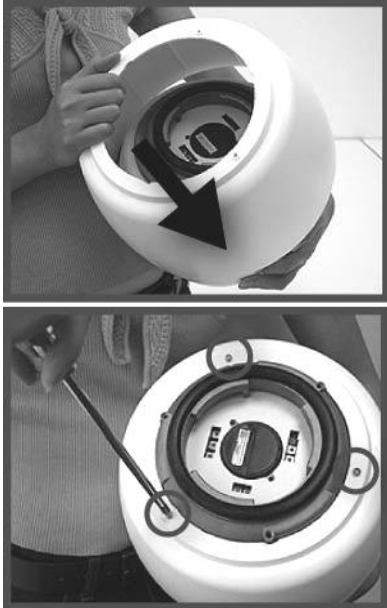
Before installing or connecting the speed dome camera, please refer to this section and complete preparation, switch setting and communication switch settings.

1.3.1: Preparations for Dome Setups

The section will illustrate the speed dome housing installation procedure of the outdoor speed dome equipped with sunshield. Please follow the steps below to complete speed dome housing installation.

STEP 1 Unpack the dome package and take out the dome body.	
STEP 2 Rotate the top holder and take it off from the dome body.	 
STEP 3 Remove the 3 screws on the bottom of the sunshield. Then take off the sunshield from the dome body.	

<p>STEP 4</p> <p>Set the dome on a flat table to keep it stable and then remove the protective cover and PE cloth.</p>	
<p>STEP 5</p> <p>Attach the dome cover to the dome body. Before doing that, apply some lubricant on the dome cover's water-proof rubber to make the installation process smoother.</p>	
<p>Note that the tiny protrusion on the dome cover must align with one of the four holes on the dome body.</p>	
<p>STEP 6</p> <p>Assemble the dome cover to the dome body by pressing the cover gently downward to the dome body with two hands on the side of the cover.</p>	
<p>DO NOT press the cover as shown in the figure; this might cause damage to the dome body.</p>	
<p>STEP 7</p> <p>Screw the dome cover and body together.</p>	

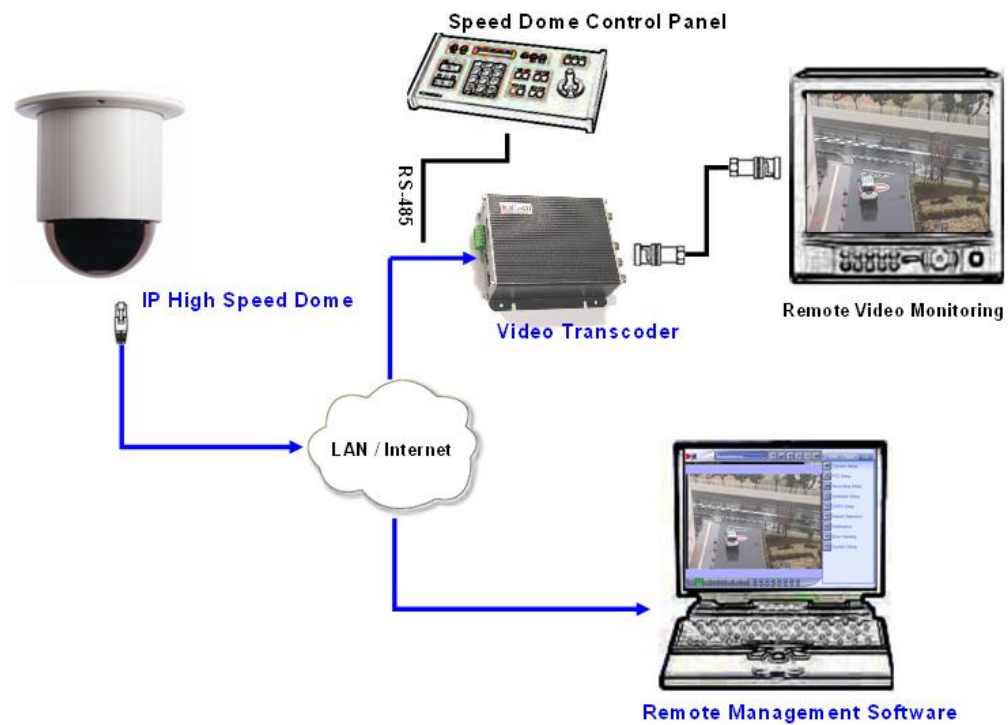
<p>STEP 8</p> <p>Assemble the sunshield to the dome body and fix it with three screws.</p>	
<p>STEP 9</p> <p>Set the switches located on the bottom of the dome body. Refer to section 3.2 Dome Setups for detailed information about various switch setting.</p>	

1.3.2: Dome Setups

Before connecting the speed dome camera to other devices of CCTV system, please complete the speed dome ID and communication switch settings. These switches are located on the bottom of the speed dome camera (refer to section [1.2 Physical Description](#)).

1.4 Basic Connections

Follow the procedures below to connect the IP high speed dome to the respective apparatuses.



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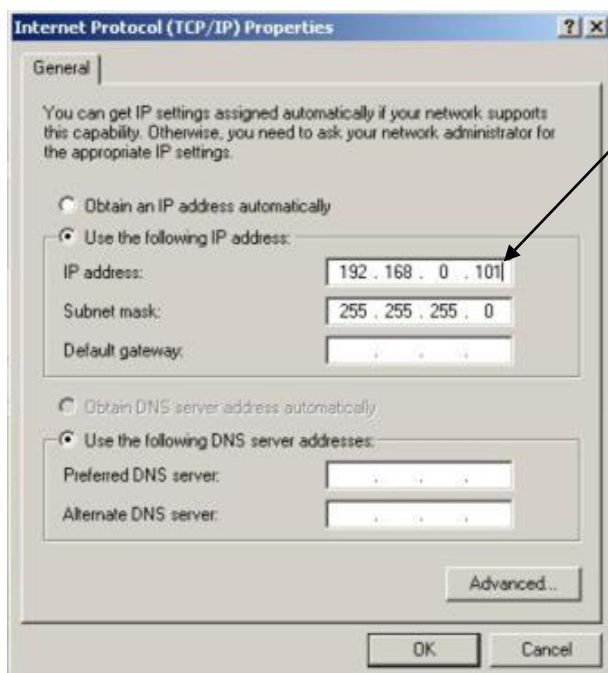
Quick Tour

This section guides you with a quick tour on IP high speed dome.

2.1 Configure the IP High Speed Dome

2.1.1 Make sure network environment

Default IP of IP high speed dome is 192.168.0.100. Please make sure IP high speed dome and your PC are on the same network segment before running the installation.



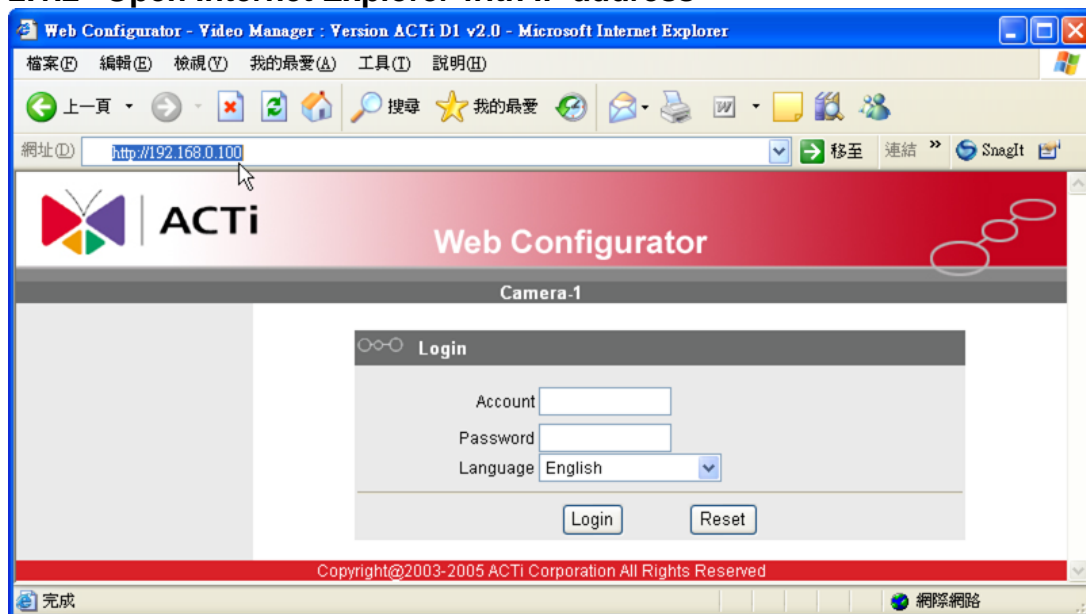
Please set the settings as below.

IP address: 192.168. 0.xxx

Subnet mask: 255.255.255. 0

(NOTE: xxx should be a number from 1 to 254, but 100 is excepted.)

2.1.2 Open Internet Explorer with IP address

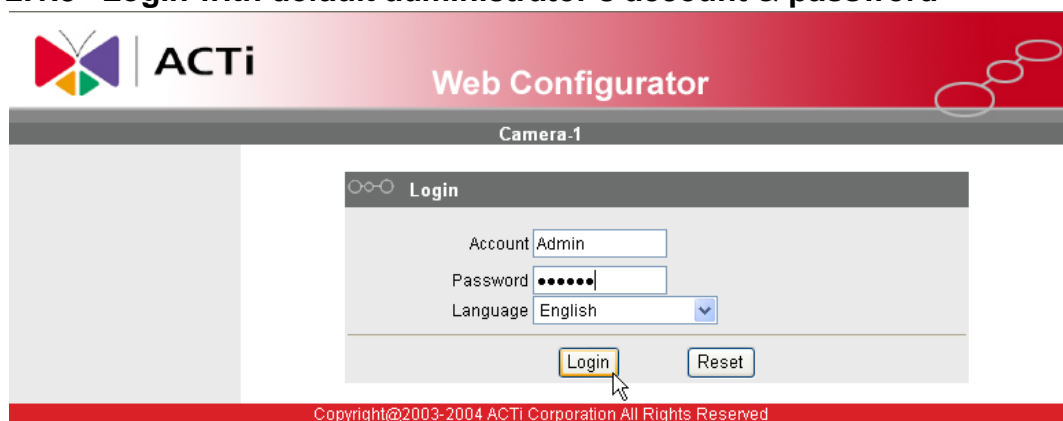



NOTE: If your web browser is earlier than IE6, then download IE6 is recommended.



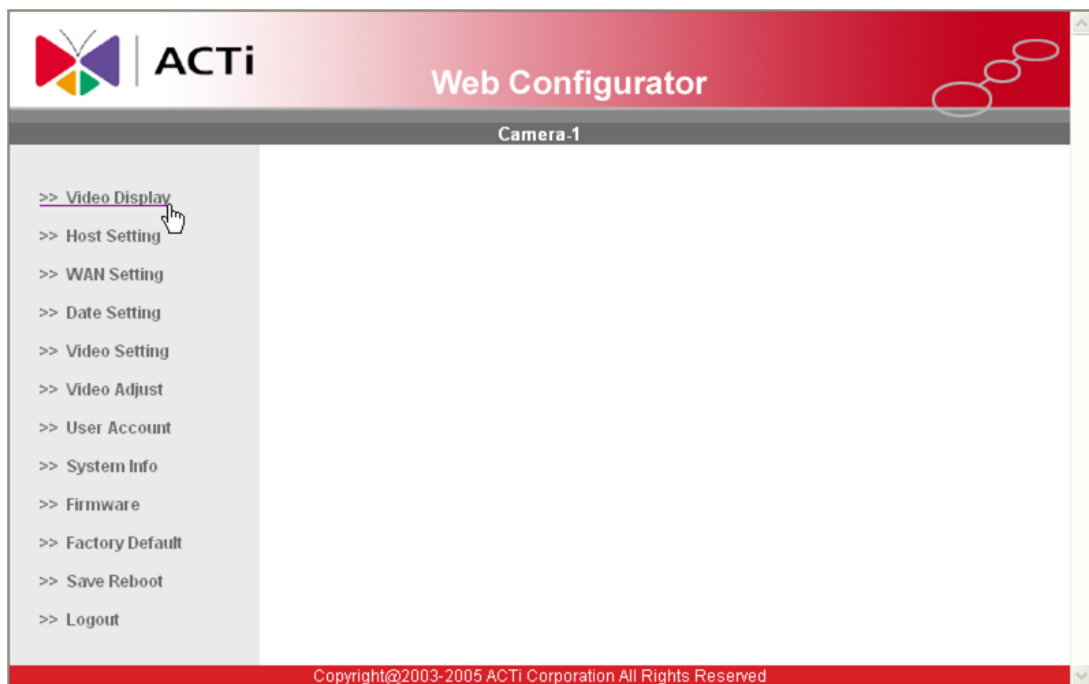
NOTE: The IP high speed dome default IP address is set to **192.168.0.100**

2.1.3 Login with default administrator's account & password



NOTE: Default administrator account is set to **Admin**, password is set to **123456**, and click  button.

2.1.4 Preview the video



NOTE: In your Client PC, please make sure the setting of Network Connections Type is set to Auto Negotiation, since IP high speed dome follows MII standard. Otherwise, you might not see the live image.



2.15 Set the new IP address

ACTi Web Configurator

Camera 1

>> Video Display
>> Host Setting
>> WAN Setting
>> Date Setting
>> Video Setting
>> Video Adjust
>> User Account
>> System Info
>> Firmware
>> Factory Default
>> Save Reboot
>> Logout

Host Setting

Host Name: ACTi
Language: English
Apply Reset

LAN Setting

IP Address: 192 . 168 . 0 . 100
Subnet Mask: 255 . 255 . 255 . 0
Apply Reset

Network Link Speed & Duplex

LAN Port: Auto Detect
WAN Port: Auto Detect
Apply Reset

***Host Name** : Enter in the domain name, Default Host Name is ACTi.

***Language** : Language setting for Web Configurator after Save Reboot. Default setting is English.

***IP Address** : The IP address of the LAN interface. The default IP address is 192.168.0.100.

***Subnet Mask** : The subnet mask of the LAN interface. The default subnet mask is 255.255.255.0

***Click**  button



NOTE: Check with your MIS department, if Client PC and IP high speed dome are setting in different VLANs, please connect to WAN port.



NOTE: In your Client PC, please make sure the setting of Network Connections Type is set to Auto Negotiation, since IP high speed dome follows MII standard. Otherwise, you might not see the live image.



IMPORTANT: After the IP address is changed, please record this IP address. There is no way to connect to the IP high speed dome if user forgets the new IP address.

2.1.6 Check Default Video Setting



The streaming type [Version 1.0] – without audio function

The streaming type [Version 2.0] – with audio function



NOTE: Please make sure the TV Input (NTSC / PAL) is meet your requirement, and click **Apply** button.

2.1.7 Click **Save Reboot** to restore all settings and please wait about 30 seconds for system reboot.